

Smith, L
869386

08/869386

=> fil reg; d que

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STRUCTURE FILE UPDATES: 13 FEB 98 HIGHEST RN 201334-37-4
DICTIONARY FILE UPDATES: 17 FEB 98 HIGHEST RN 201334-37-4

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L32 291 SEA FILE=REGISTRY ABB=ON PLU=ON RAFVTIGK/SQSP
L33 220 SEA FILE=REGISTRY ABB=ON PLU=ON L32 AND SQL=<100

=> fil ca,caplus

FILE 'CA' ENTERED AT 12:21:10 ON 18 FEB 1998
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FILE 'CAPLUS' ENTERED AT 12:21:10 ON 18 FEB 1998
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=> s l33

L34 397 L33

=> s l34(1)(immun? respons?)

L35 6 L34(L)(IMMUN? RESPON?)

=> dup rem l35

PROCESSING COMPLETED FOR L35
L36 3 DUP REM L35 (3 DUPLICATES REMOVED)

=> d 1-3 .bevstr

L36 ANSWER 1 OF 3 CA COPYRIGHT 1998 ACS DUPLICATE 1
AN 125:8466 CA

Searcher : Shears 308-4994

TI Non-infectious retrovirus particles presenting foreign epitopes and their diagnostic and prophylactic use
 IN Rovinski, Benjamin; Cao, Shi-Xian; Yao, Fei-Long; Persson, Roy; Klein, Michel H.
 PA Connaught Laboratories Limited, Can.
 SO PCT Int. Appl., 73 pp.
 CODEN: PIXXD2
 PI WO 9605292 A1 960222
 DS W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TT
 RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG
 AI WO 95-CA483 950815
 PRAI US 94-290105 940815
 DT Patent
 LA English
 AB Non-infectious, retrovirus-like particles that are an assembly of env, pol and gag gene products and contain an antigenic marker that is non-retroviral or non-HIV retroviral are described. The particles are prevented from incorporating viral RNA by inactivation of the Cys-His boxes of the gag protein. The reverse transcriptase and integrase functions of the retrovirus are also inactivated. The marker may be a peptide epitope inserted into the gag protein at an antigenically-active insertion site. The marker may also be an antigenic anchor sequence replacing the endogeneous anchoring domain of the env protein or a modification of the immunodominant domain of the env protein that prevents recognition of the immunodominant domain. The corresponding nucleic acid mols. are described. The non-infectious, retrovirus-like particles have utility in in vivo administration including to humans and in diagnosis, e.g. in detection of antibodies to the antigen. The construction of viral particles presenting tobacco mosaic virus or influenza virus hemagglutinin mHA2 antigens and their ability to raise antibodies to the antigens is demonstrated.
 IT **156980-25-5**
 RL: BAC (Biological activity or effector, except adverse); PRP (Properties); BIOL (Biological study)
 (V3 loop of HIV-1 gag protein, **immune response** to; non-infectious retrovirus particles presenting foreign epitopes and their diagnostic and prophylactic use)
 L36 ANSWER 2 OF 3 CA COPYRIGHT 1998 ACS DUPLICATE 2
 AN 124:229711 CA
 TI IFN-.gamma. restores HIV- and non-HIV-specific cell mediated immune response in vitro and its activity is neutralized by antibodies from patients with AIDS
 AU De Francesco, M. A.; Caruso, A.; Dima, F.; Cantalamessa, A.;
 Searcher : Shears 308-4994

- Canaris, A. D.; Folghera, S.; Fiorentini, S.; Flamminio, G.;
Licenziati, S.; et al.
- CS Institute Microbiology, University Brescia, Brescia, Italy
SO Scand. J. Immunol. (1996), 43(1), 94-100
CODEN: SJIMAX; ISSN: 0300-9475
- DT Journal
LA English
- AB The addn. of IFN-.gamma. to cultures of peripheral blood mononuclear cells (PBMCs) obtained from asymptomatic HIV-infected patients increased cell proliferation in response to HIV envelope synthetic peptides (Env), influenza A virus (VIRUS), and allogeneic lymphocytes (ALLO) but not to phytohemagglutinin (PHA) stimulation. F(Ab)2 fragments of IgG purified from the sera of HIV-seropos. patients specifically interfered with IFN-.gamma.-induced cell proliferation in response to recall antigens. Neutralization of the lymphokine activity was sustained by specific IFN-.gamma. antibodies. Data obtained demonstrate that IFN-.gamma. can restore the cell-mediated immunity of a no. of asymptomatic HIV+ individuals in vitro, while IFN-.gamma. antibodies present in sera of patients with AIDS interfere with the activity of the lymphokine.
- IT 154758-22-2
RL: BAC (Biological activity or effector, except adverse); BIOL (Biological study)
(interferon-.gamma. restores HIV- and non-HIV-specific cell mediated **immune response** in vitro and its activity is neutralized by antibodies from humans with AIDS)
- L36 ANSWER 3 OF 3 CA COPYRIGHT 1998 ACS DUPLICATE 3
AN 123:141067 CA
TI Immunogenicity of synthetic peptide corresponding to epitope of V3 region in HIV-1 envelope gp120. The effect on cellular immunity
AU Hamajima, Kenji; Kaneko, Tamiko; Hou, Li-Min; Tsukuda, Mamoru; Okuda, Kenji
CS School Medicine, Yokohama City University, Yokohama, Japan
SO Yokohama Med. Bull. (1993), 44(5-6), 169-74
CODEN: YMBUA7; ISSN: 0044-0531
- DT Journal
LA English
- AB The immunogenicity of synthetic peptide assocd. with the third hypervariable region (V3) in the envelope glycoprotein 120 (gp120) of human immunodeficiency virus (HIV-1) IIIB isolates was examd. BALB/c mice received a single i.p. injection with this peptide emulsified with adjuvant. Spleen cells from the immunized mice were stimulated in vitro with the same synthetic peptide. Using these spleen cells, proliferation assay and cytotoxic test were performed. The results revealed proliferative response to the synthetic peptide and cytolytic activity against target cells stimulated with this peptide. This synthetic peptide which corresponds to an immunodominant epitope of V3 region in gp120 of HIV-1 IIIB isolates
- Searcher : Shears 308-4994

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has immunogenicity in mice and may have the ability to enhance cellular immunity in patients with HIV infection.

IT 166747-83-7

RL: BAC (Biological activity or effector, except adverse); BIOL (Biological study)

(cellular **immune response** in mouse to
V3-derived peptide of gp120 glycoprotein of human
immunodeficiency virus)

=> s l32

L37 465 L32

=> s l37(1)(immun? respons?)

L38 6 L37(L)(IMMUN? RESPON?)

=> s l38 not l35

L39 0 L38 NOT L35

=> sel hit l36 1-3 rn

E1 THROUGH E3 ASSIGNED

=> fil reg

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=> d que

L40 3 SEA FILE=REGISTRY ABB=ON PLU=ON (154758-22-2/BI OR 1569
80-25-5/BI OR 166747-83-7/BI)

=> s l40 and l33

L41 3 L40 AND L33

Searcher : Shears 308-4994

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=> d 1-3 .bevreg1

L41 ANSWER 1 OF 3 REGISTRY COPYRIGHT 1998 ACS

RN 166747-83-7 REGISTRY

CN Glycine, L-asparaginyl-L-threonyl-L-arginyl-L-lysyl-L-seryl-L-
isoleucyl-L-arginyl-L-isoleucyl-L-glutaminyl-L-arginylglycyl-L-
prolylglycyl-L-arginyl-L-alanyl-L-phenylalanyl-L-valyl-L-threonyl-L-
isoleucylglycyl-L-lysyl-L-isoleucyl- (9CI) (CA INDEX NAME)

SQL 23

SEQ 1 NTRKSIRIQR GPGRAFTIG KIG

===== =

HITS AT: 14-21

L41 ANSWER 2 OF 3 REGISTRY COPYRIGHT 1998 ACS

RN 156980-25-5 REGISTRY

CN L-Lysine, L-asparaginyl-L-threonyl-L-arginyl-L-lysyl-L-arginyl-L-
isoleucyl-L-arginyl-L-isoleucyl-L-glutaminyl-L-arginylglycyl-L-
prolylglycyl-L-arginyl-L-alanyl-L-phenylalanyl-L-valyl-L-threonyl-L-
isoleucylglycyl- (9CI) (CA INDEX NAME)

SQL 21

SEQ 1 NTRKRIRIQR GPGRAFTIG K

===== =

HITS AT: 14-21

L41 ANSWER 3 OF 3 REGISTRY COPYRIGHT 1998 ACS

RN 154758-22-2 REGISTRY

CN L-Asparagine, L-isoleucyl-L-glutaminyl-L-arginylglycyl-L-
prolylglycyl-L-arginyl-L-alanyl-L-phenylalanyl-L-valyl-L-threonyl-L-
isoleucylglycyl-L-lysyl-L-isoleucylglycyl- (9CI) (CA INDEX NAME)

SQL 17

SEQ 1 IQRGPGRAFV TIGKIGN

==== =

HITS AT: 7-14

=> fil hom

FILE 'HOME' ENTERED AT 12:23:28 ON 18 FEB 1998

Searcher : Shears 308-4994